

Compress and Position Apparatus

ABSTRACT

5 The present invention relates to a compress and position apparatus with
positioning, orientating functions and providing more uniform pressing
force compliantly. The compress and position apparatus comprises a
guiding column, a base, a housing, a seat, a annular portion and a pressing
plate. The base has a cylinder, a plurality of locating pins and a convex
portion. The annular portion has a through hole and a plurality of locating
10 holes. The guiding column and the cylinder are disposed in the housing
provided with an opening for the guiding column passing therethrough. The
housing is mounted on the base and passed through a through hole of the
annular portion and disposed in a cavity of the seat. A plane on the housing
abuts a plane on the cavity to prevent the rotation of the housing. The
15 guiding column is combined with the seat. The locating pin is inserted into
the locating hole. The pressing plate engages the annular portion. Thus the
guiding column is moved up and down by the gas supply device. The
convex portion biases the pressing plate to exert force on the substrate.